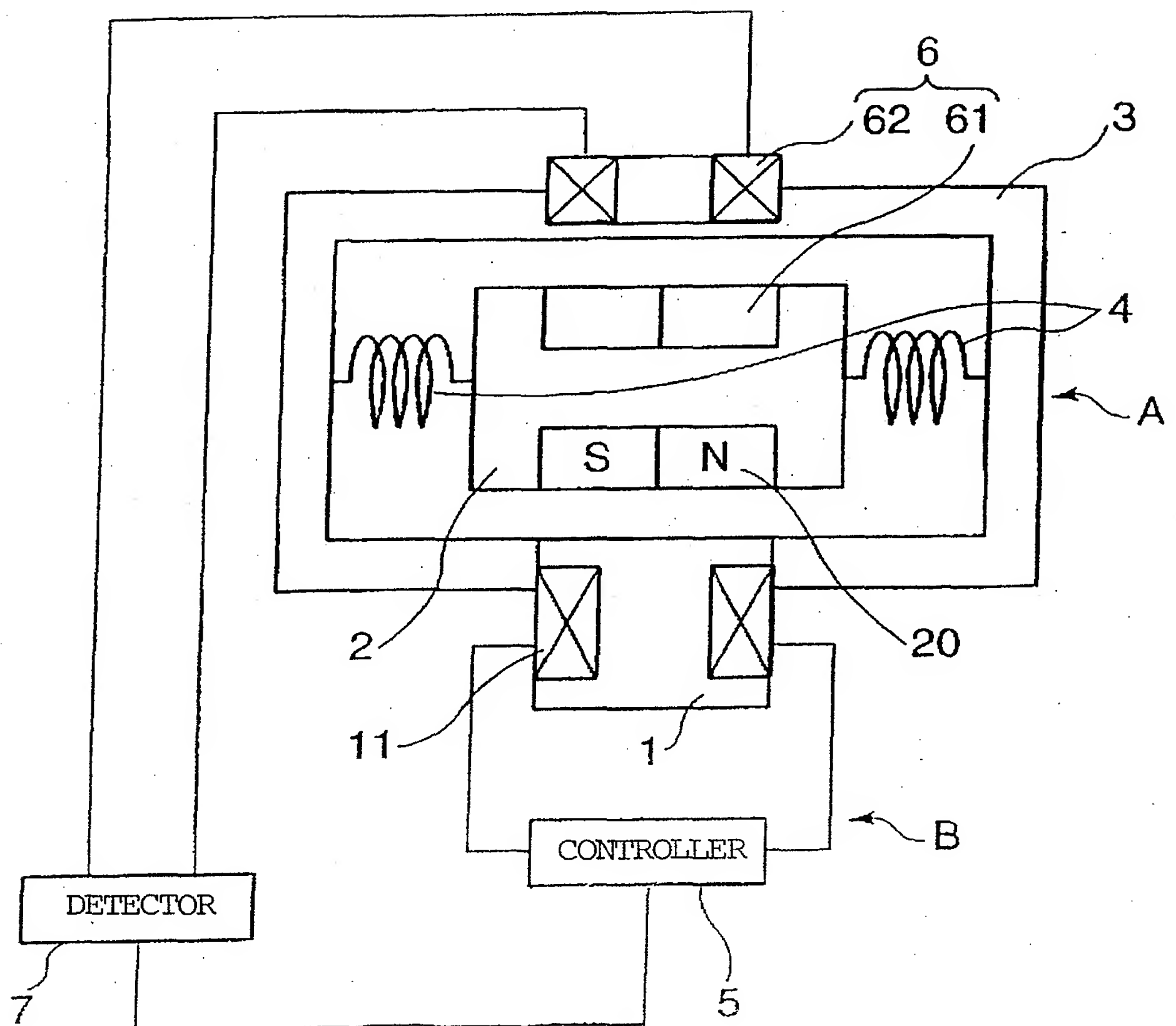


Figure 1



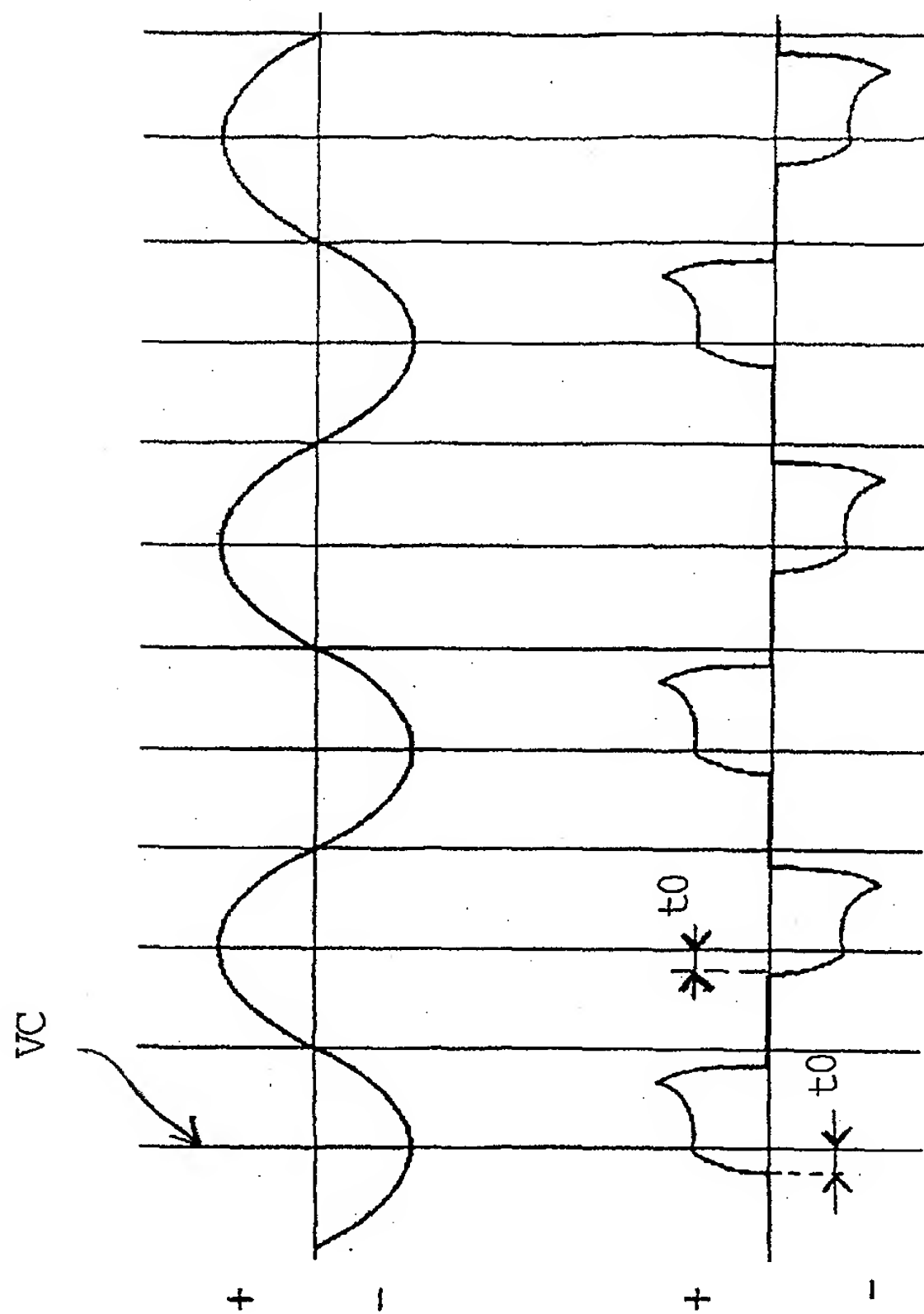


Figure 2(a) POSITION

Figure 2(b) CURRENT

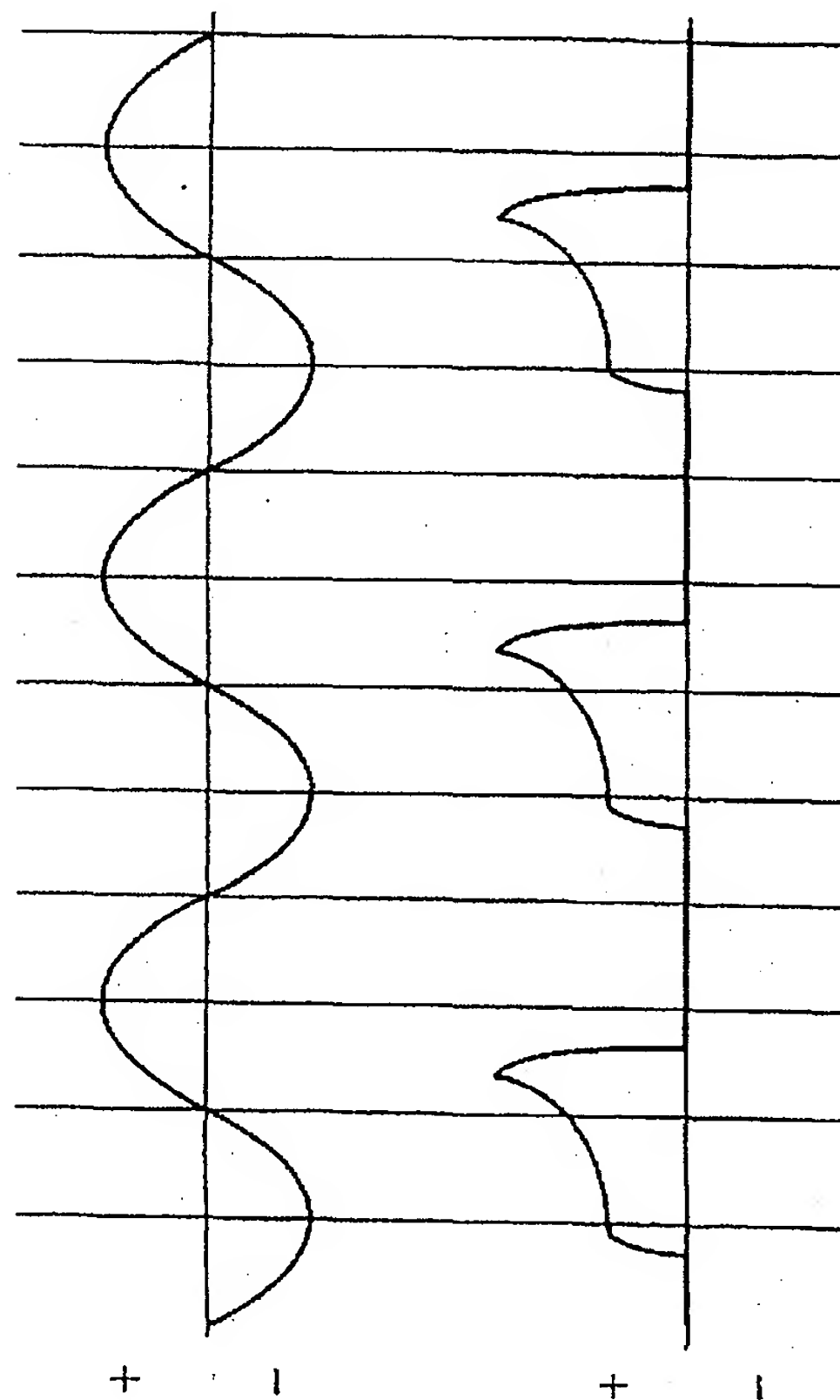
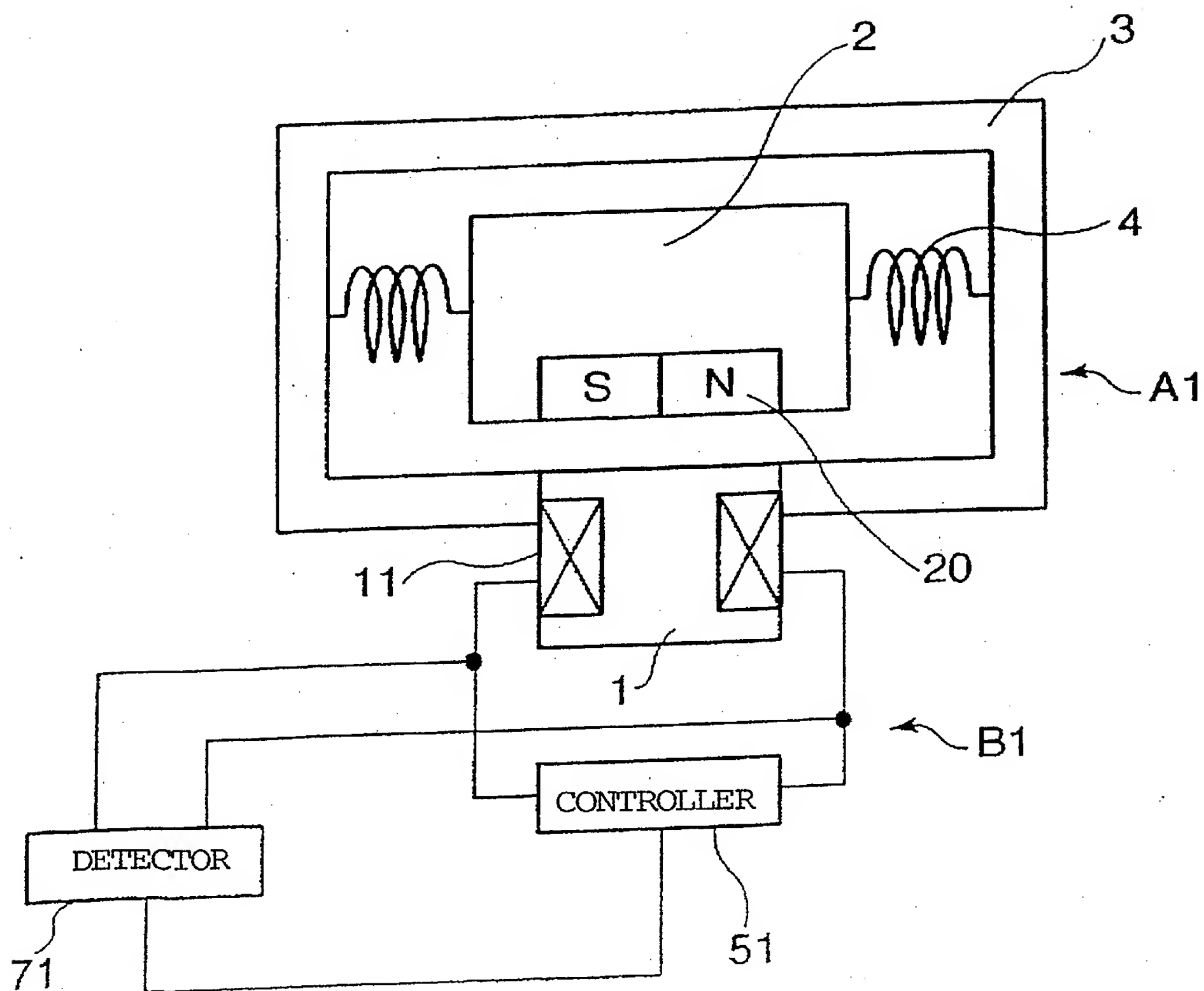


Figure 3(a) POSITION

Figure 3(b) CURRENT

20220924-001

Figure 4



205210-94845001

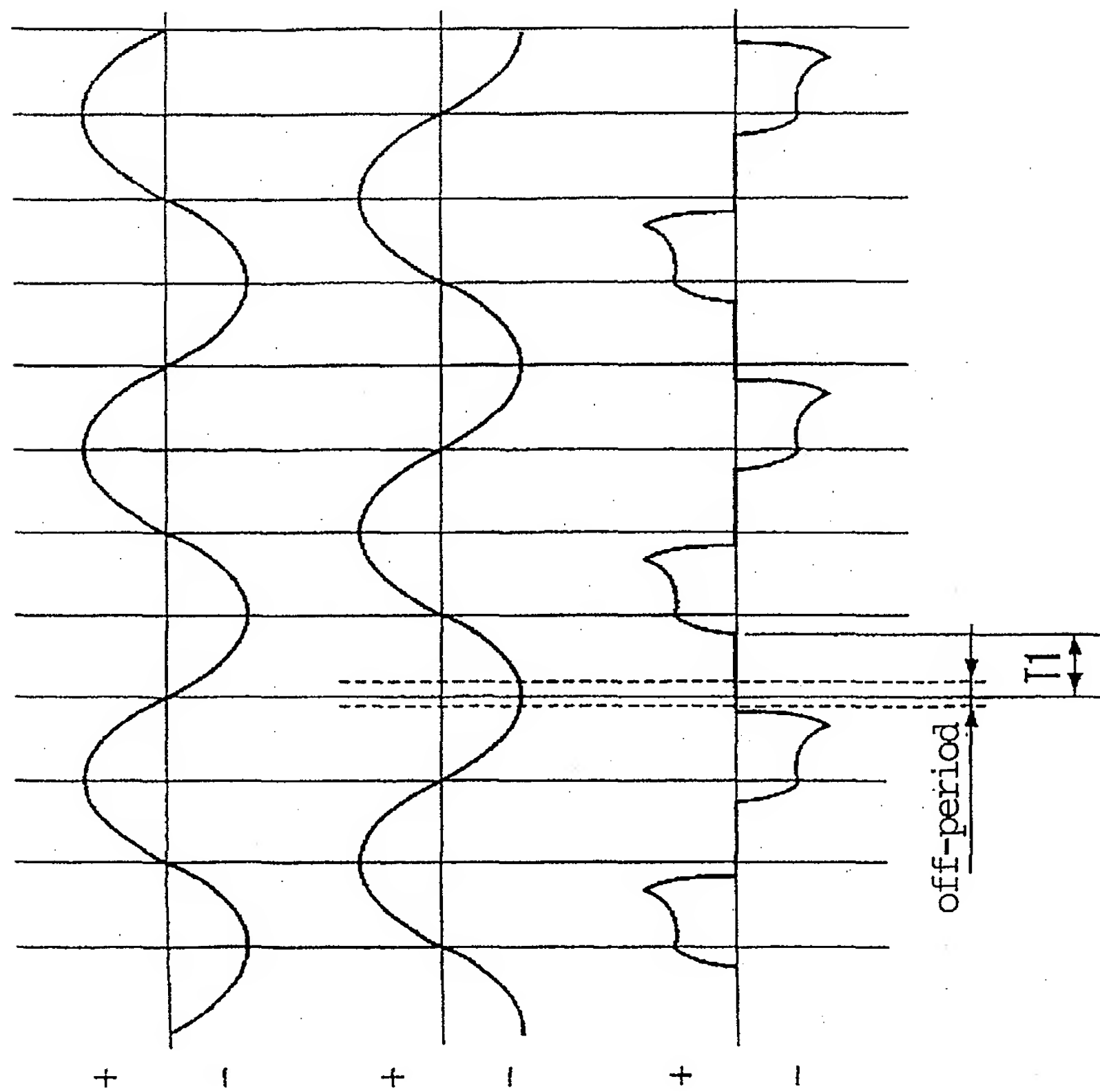
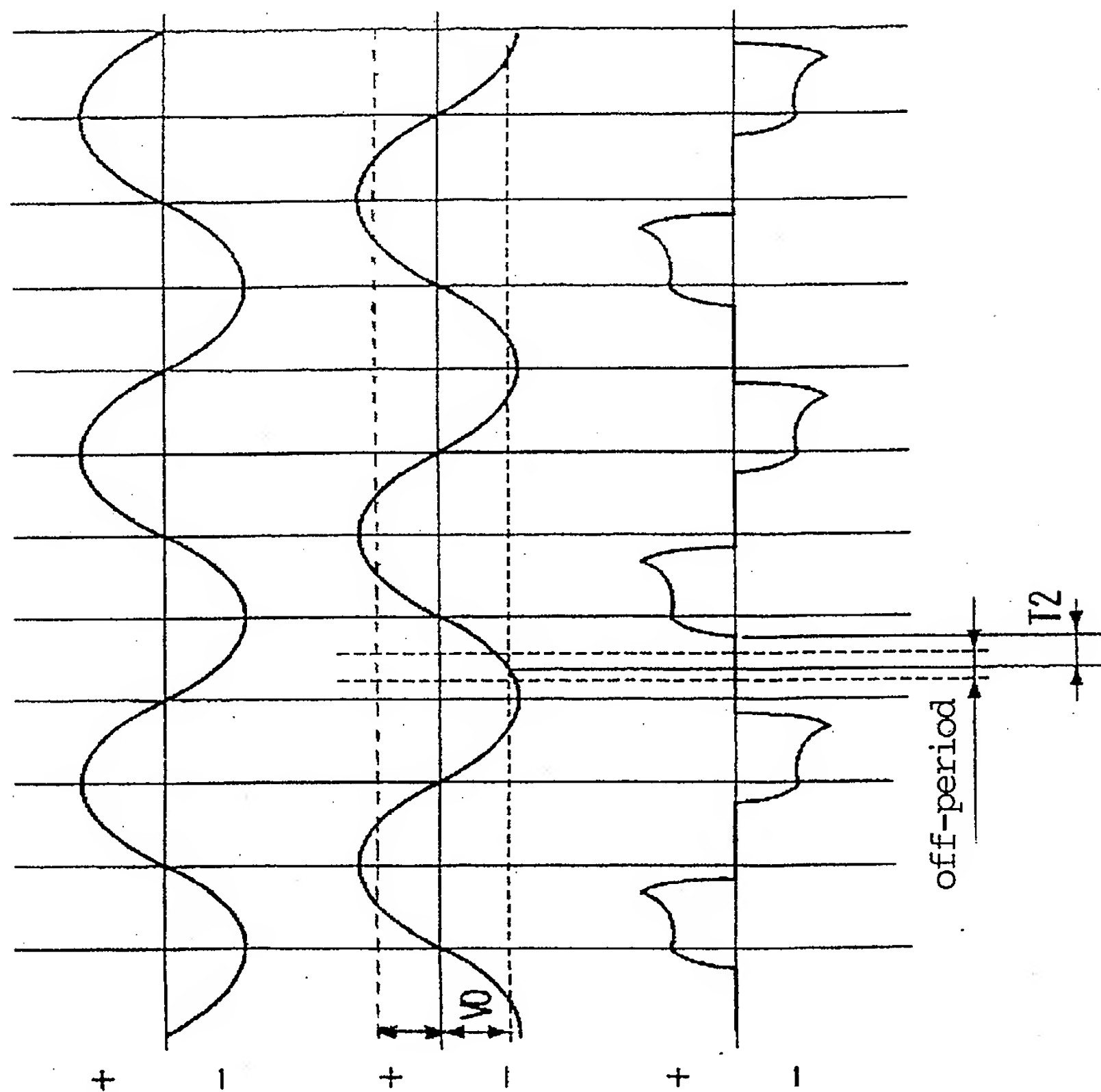


Figure 5(a) POSITION

Figure 5(b) INDUCED
VOLTAGE

Figure 5(c) CURRENT



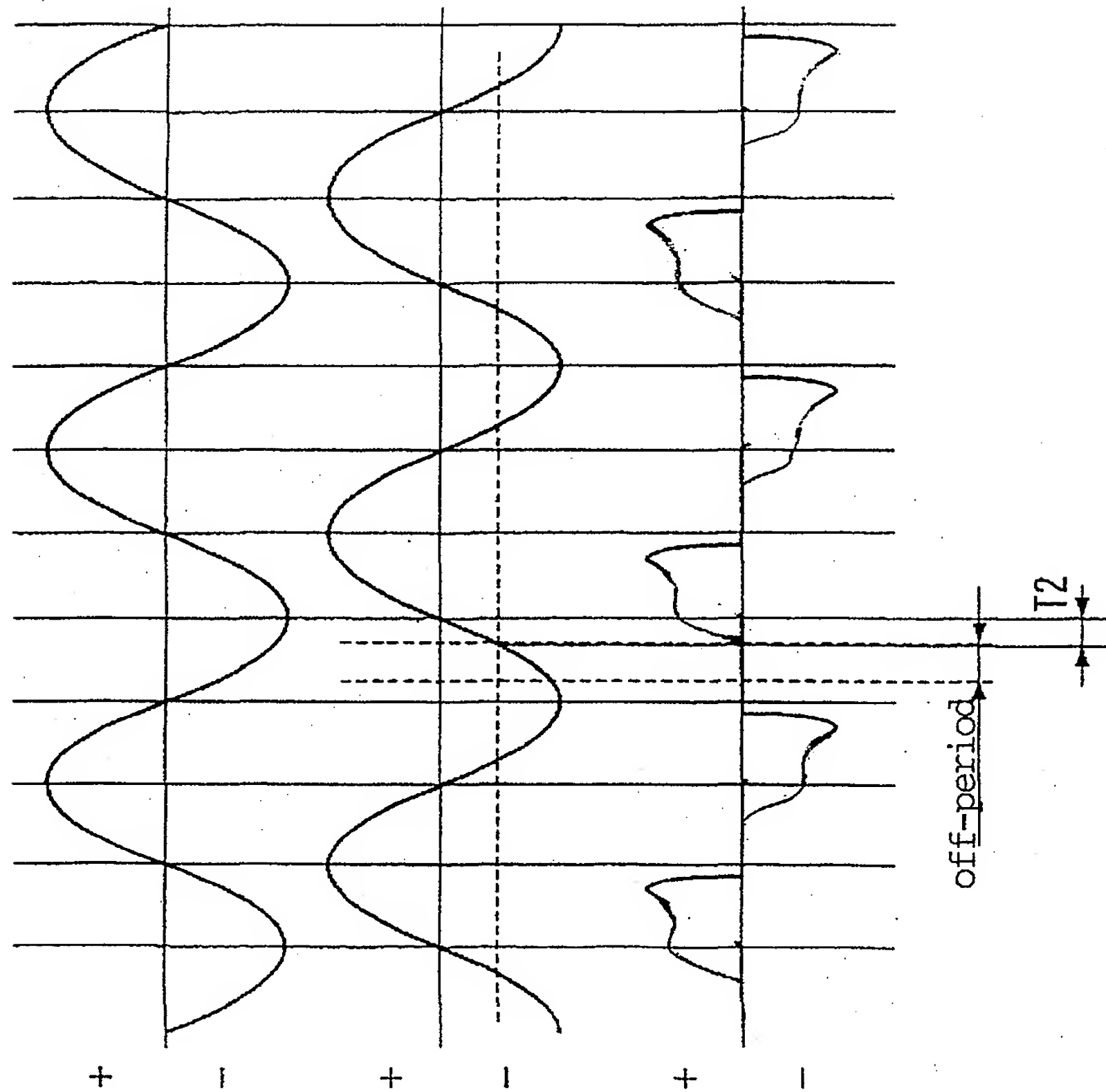
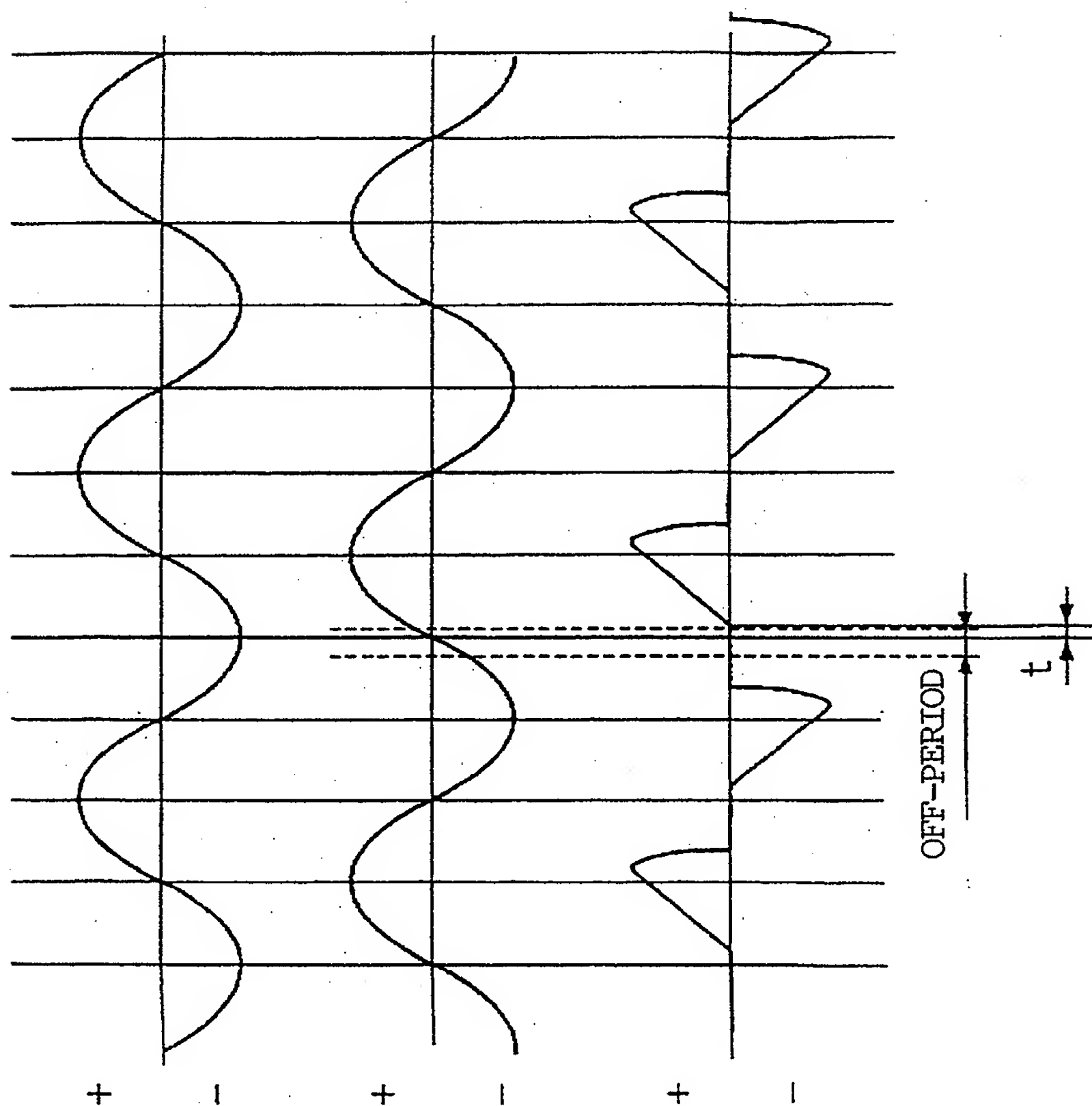


Figure 7(a) POSITION

Figure 7(b) INDUCED
VOLTAGE

Figure 7(c) CURRENT



BACKGROUND ART

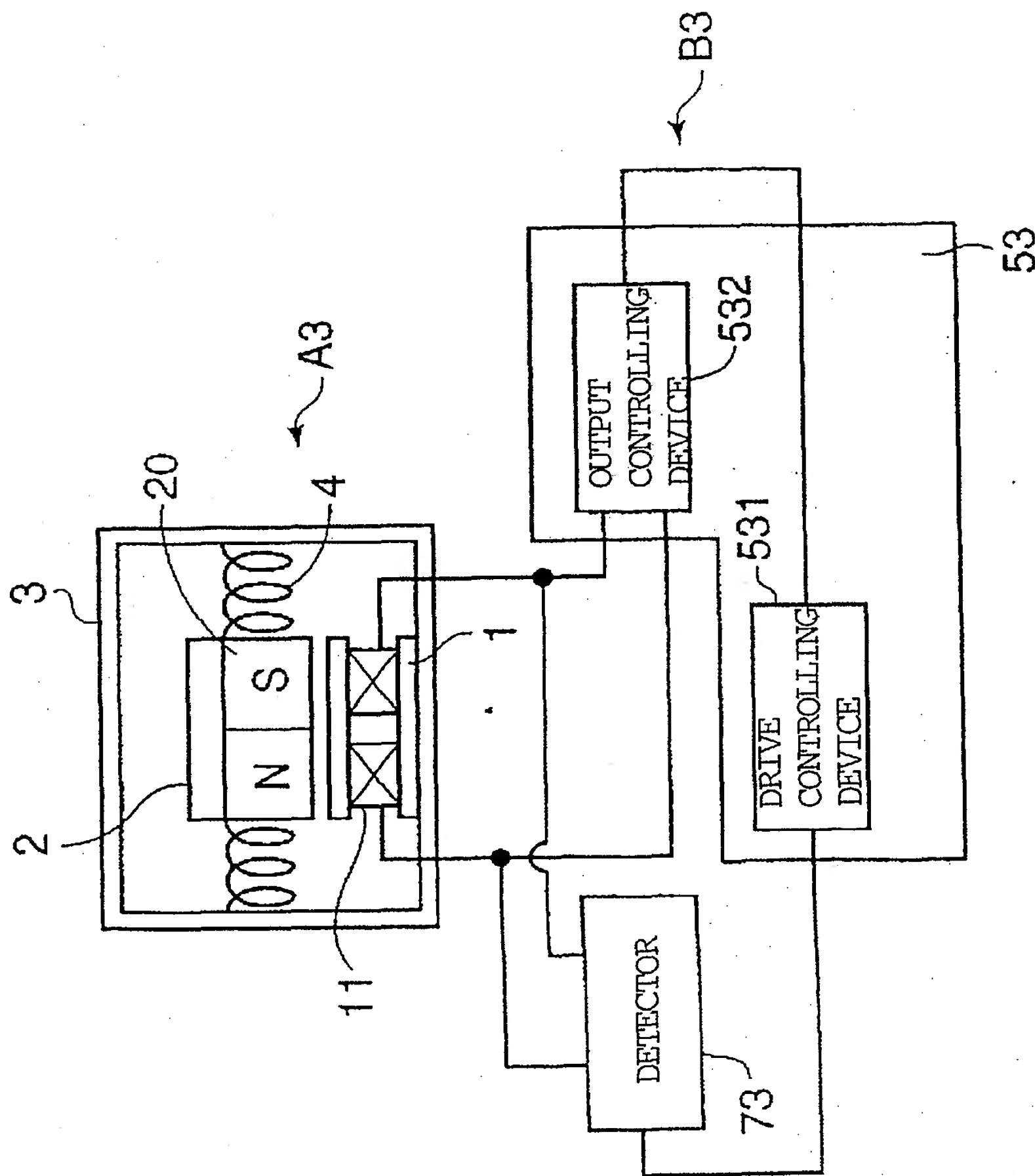


Figure 9

200004245001

The diagram shows a drive device 73. A DRIVE CONTROLLING DEVICE 531 is connected to a bridge circuit 532. The bridge circuit includes a power source ACE, a resistor R1, and four switches labeled [A], [B], [C], and [D]. Each switch is controlled by a signal from the drive controlling device. The bridge circuit is connected to a DETECTOR 73, which has three input terminals Va, Vb, and Vc. The detector is also connected to the power source ACE.

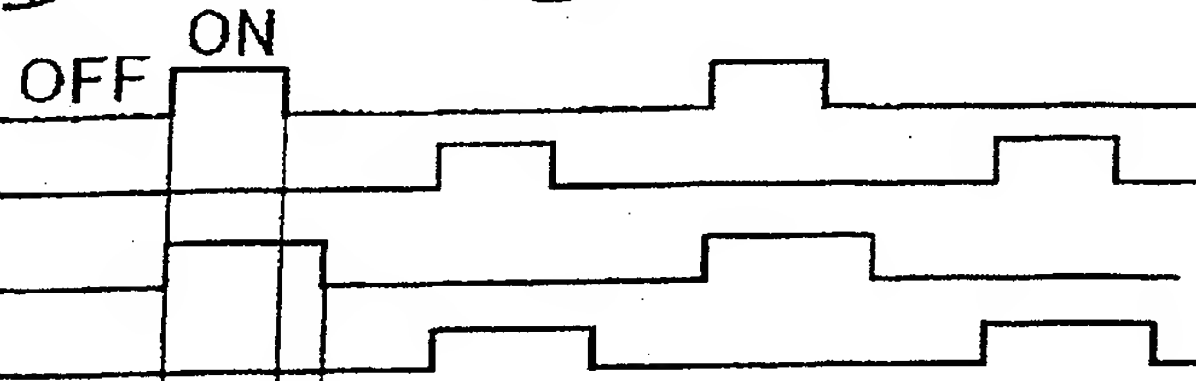
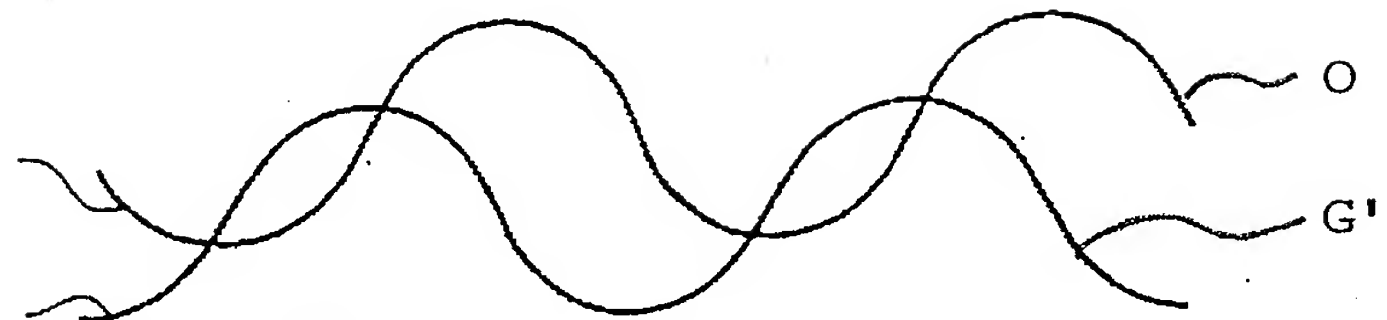
Figure 11(I)

Figure 11(A)

Figure 11(B)

Figure 11(C)

Figure 11(D)



A,C on B,D off
C on A,B,D off
A,B,C,D off

Figure 11(E) CURRENT

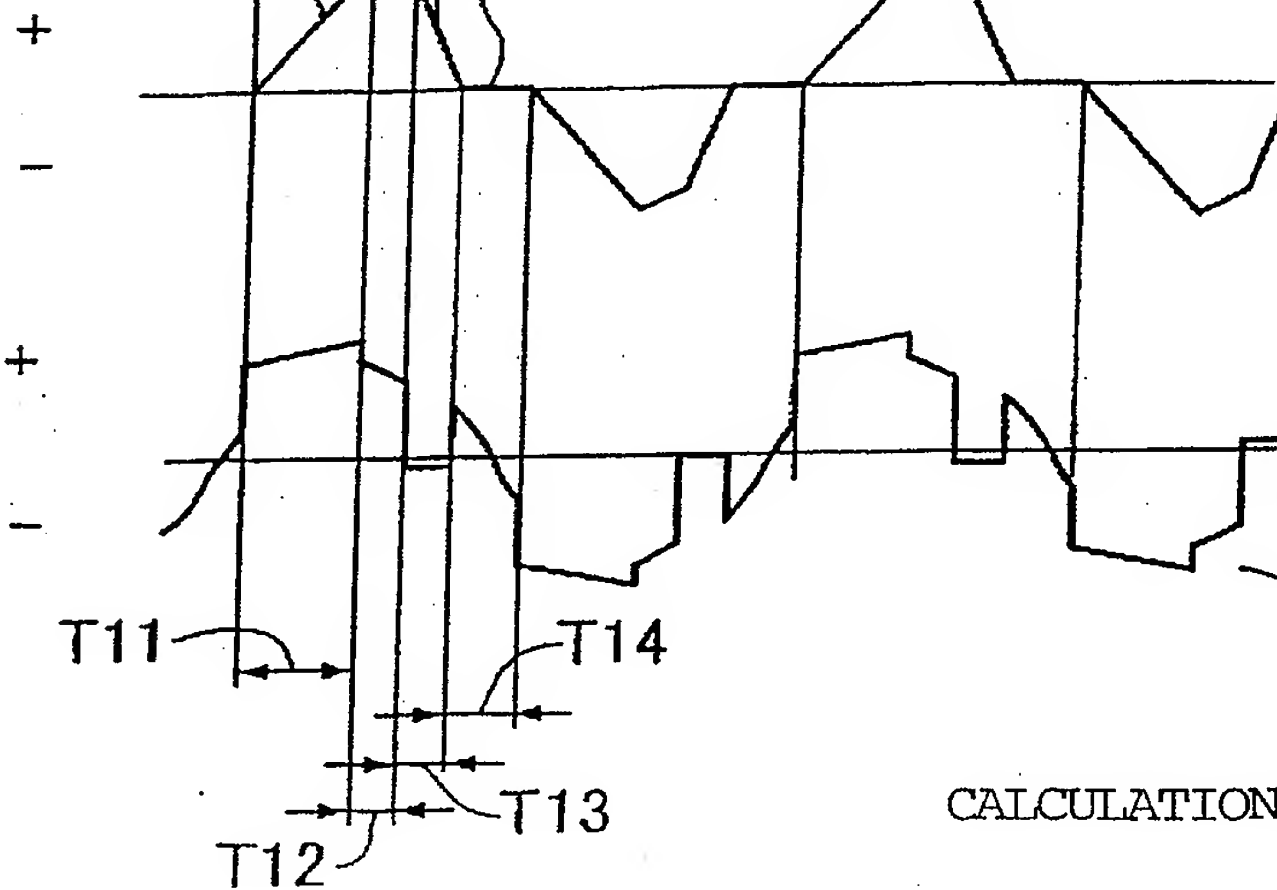


Figure 11(F) VOLTAGE ACROSS THE WINDING

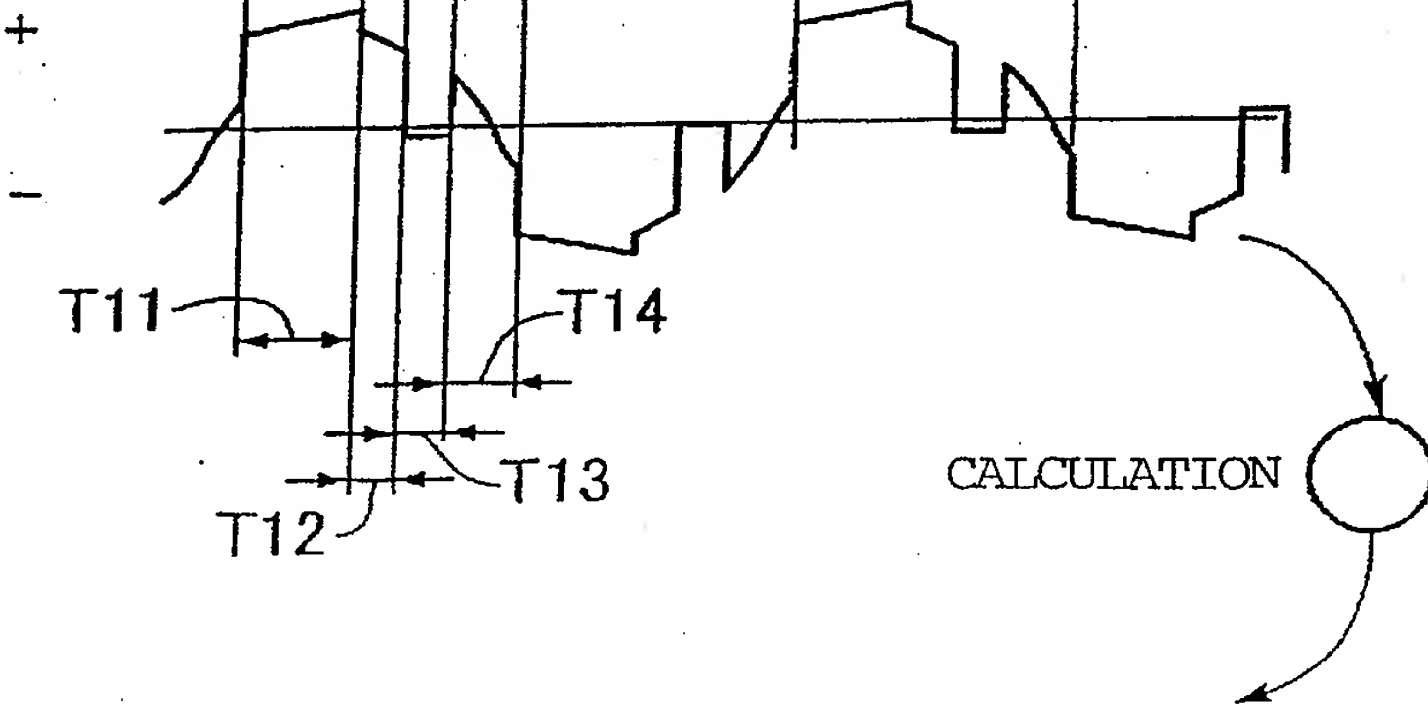


Figure 11(G)



Figure 11(H)

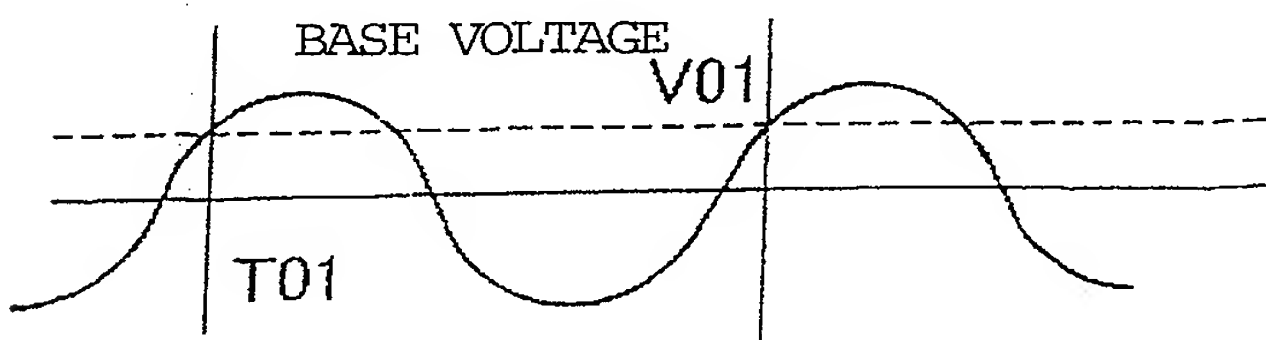


Figure 12

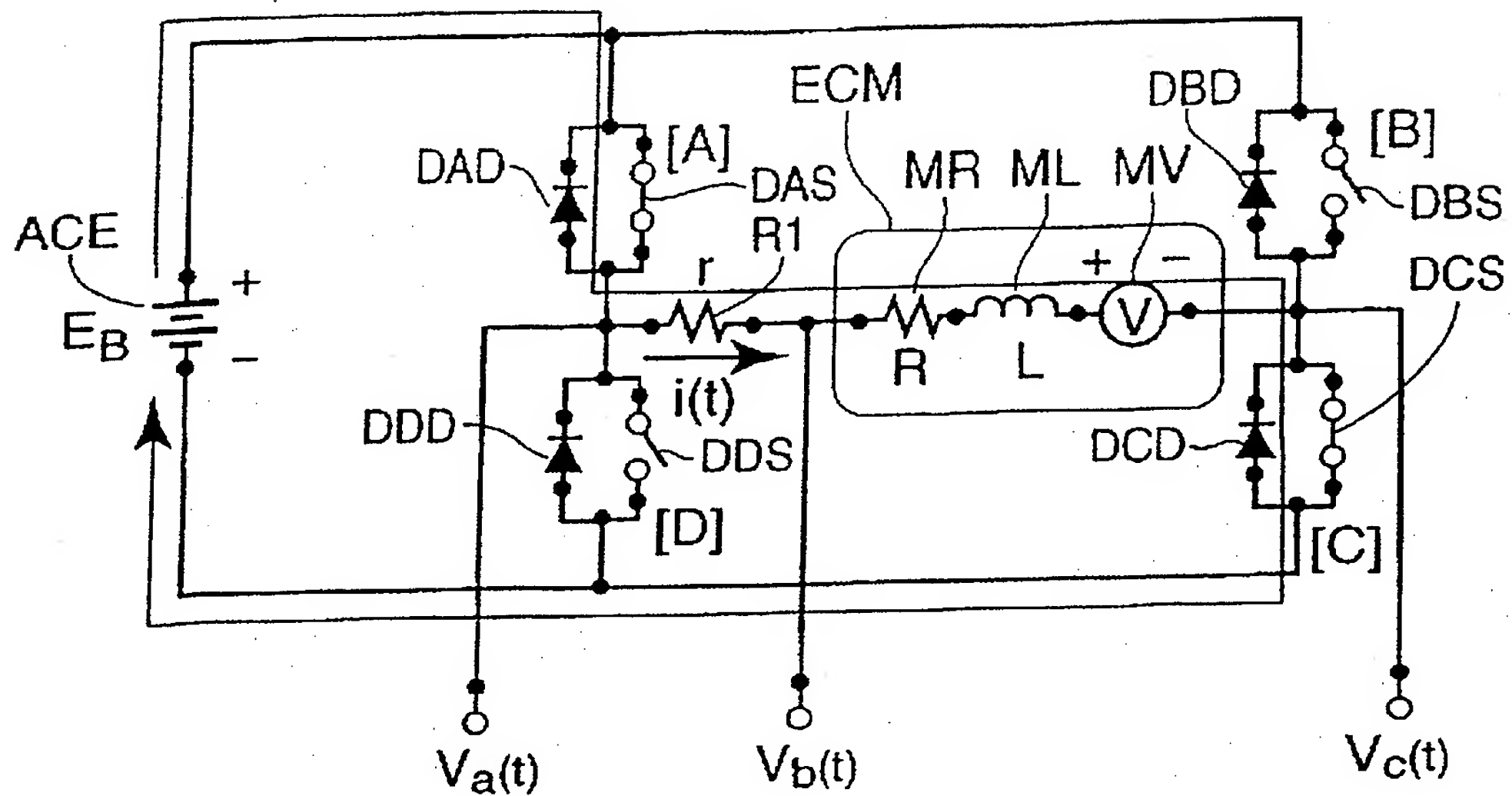


Figure 13

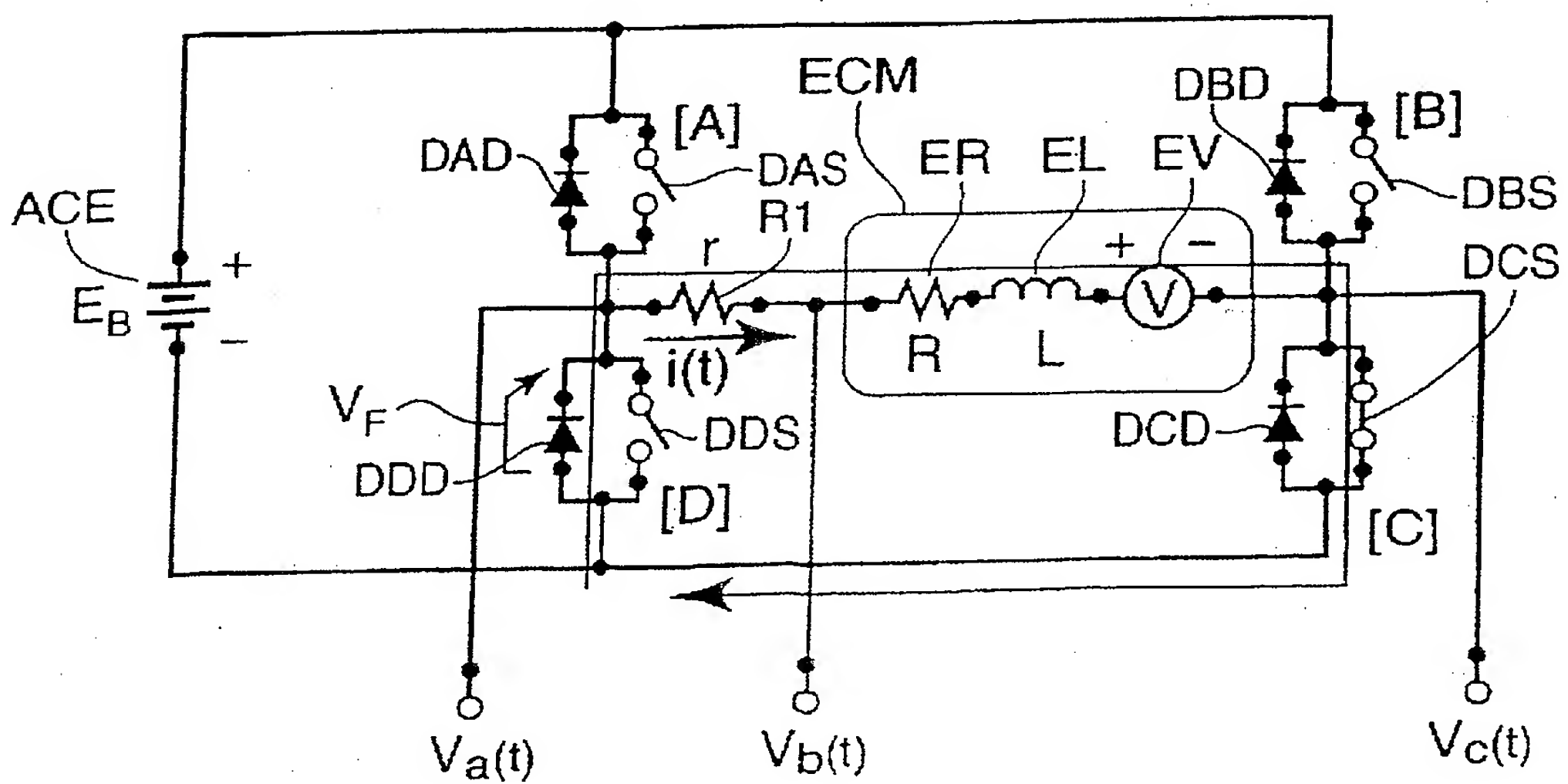


Figure 14

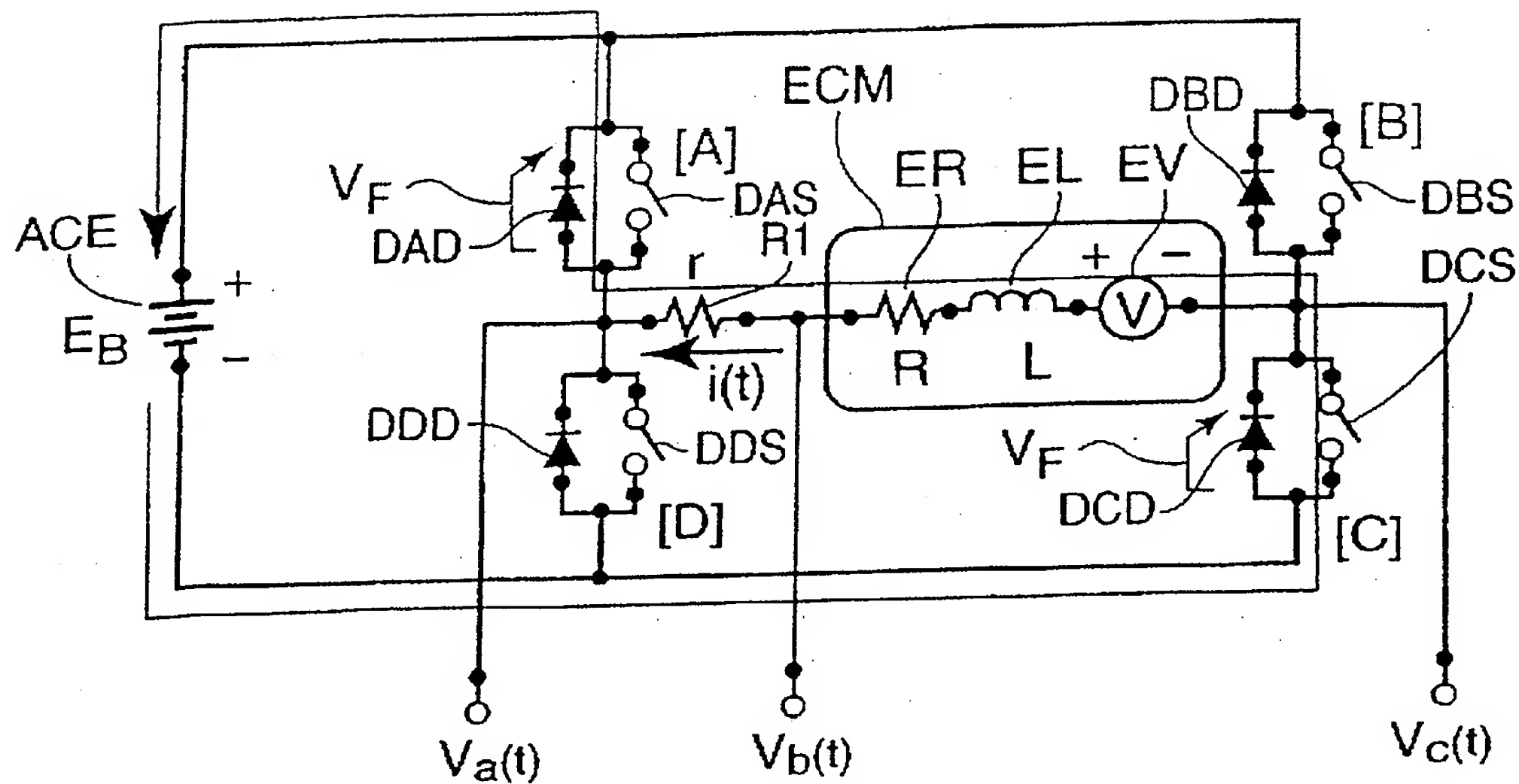


Figure 15

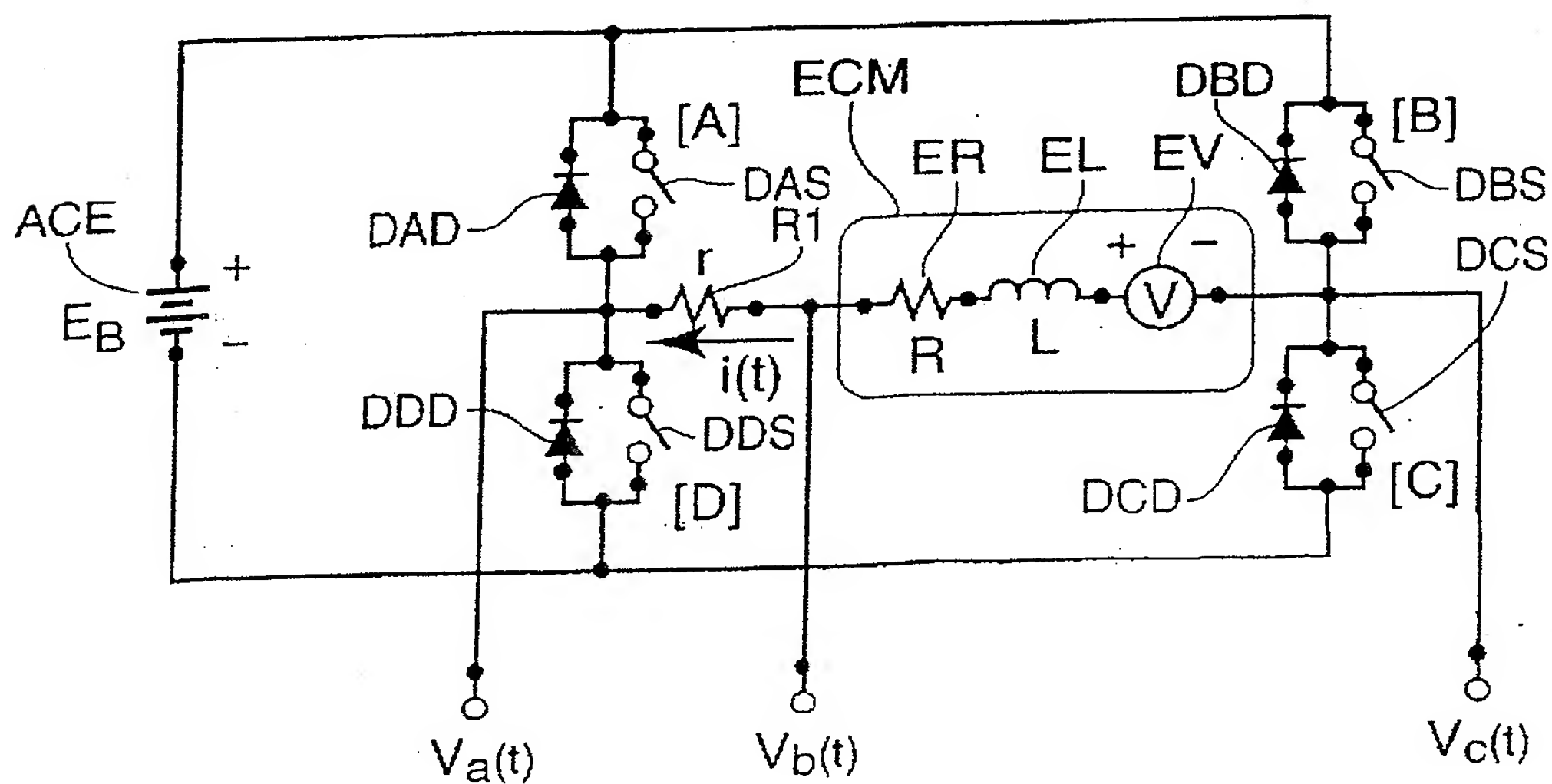
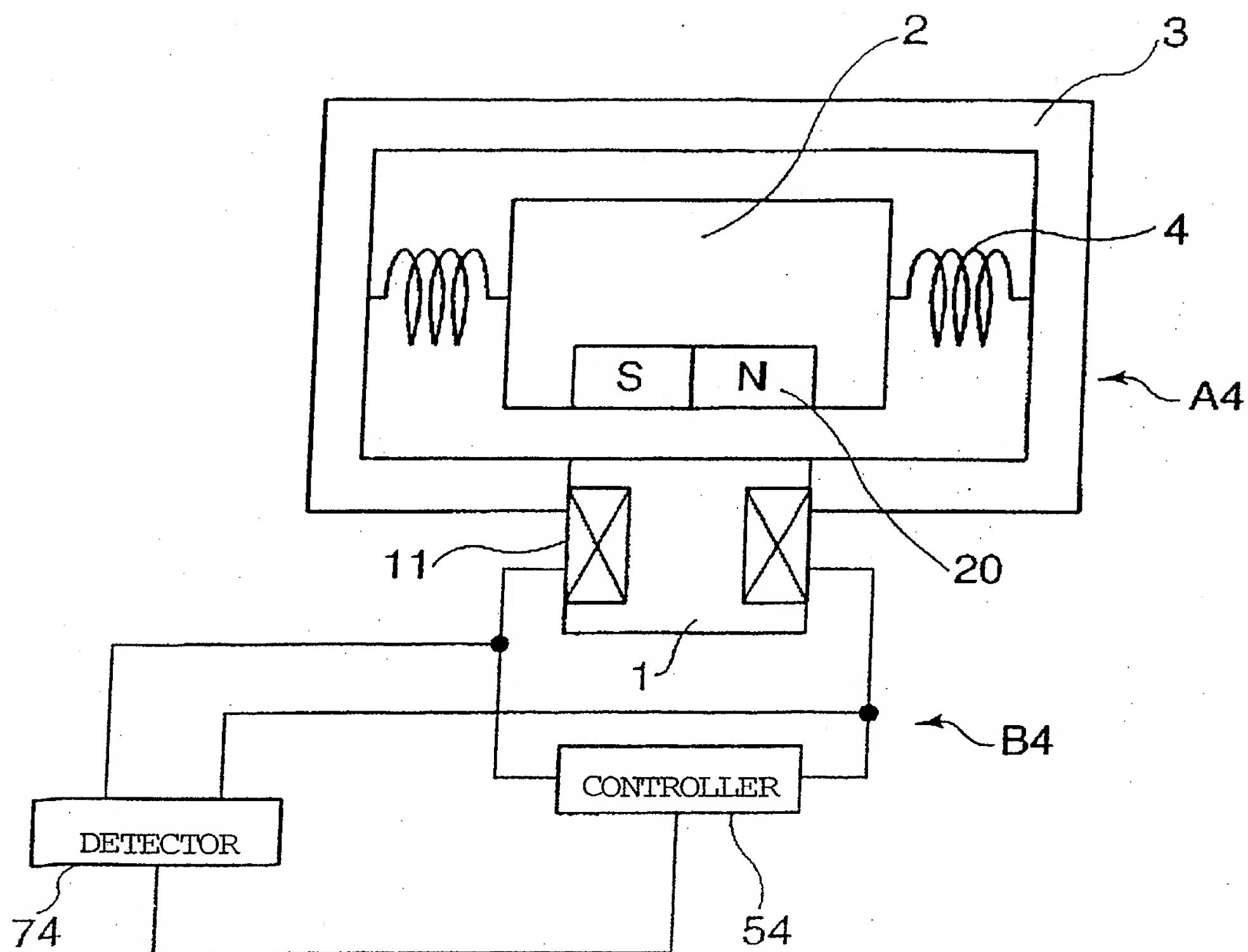


Figure 16



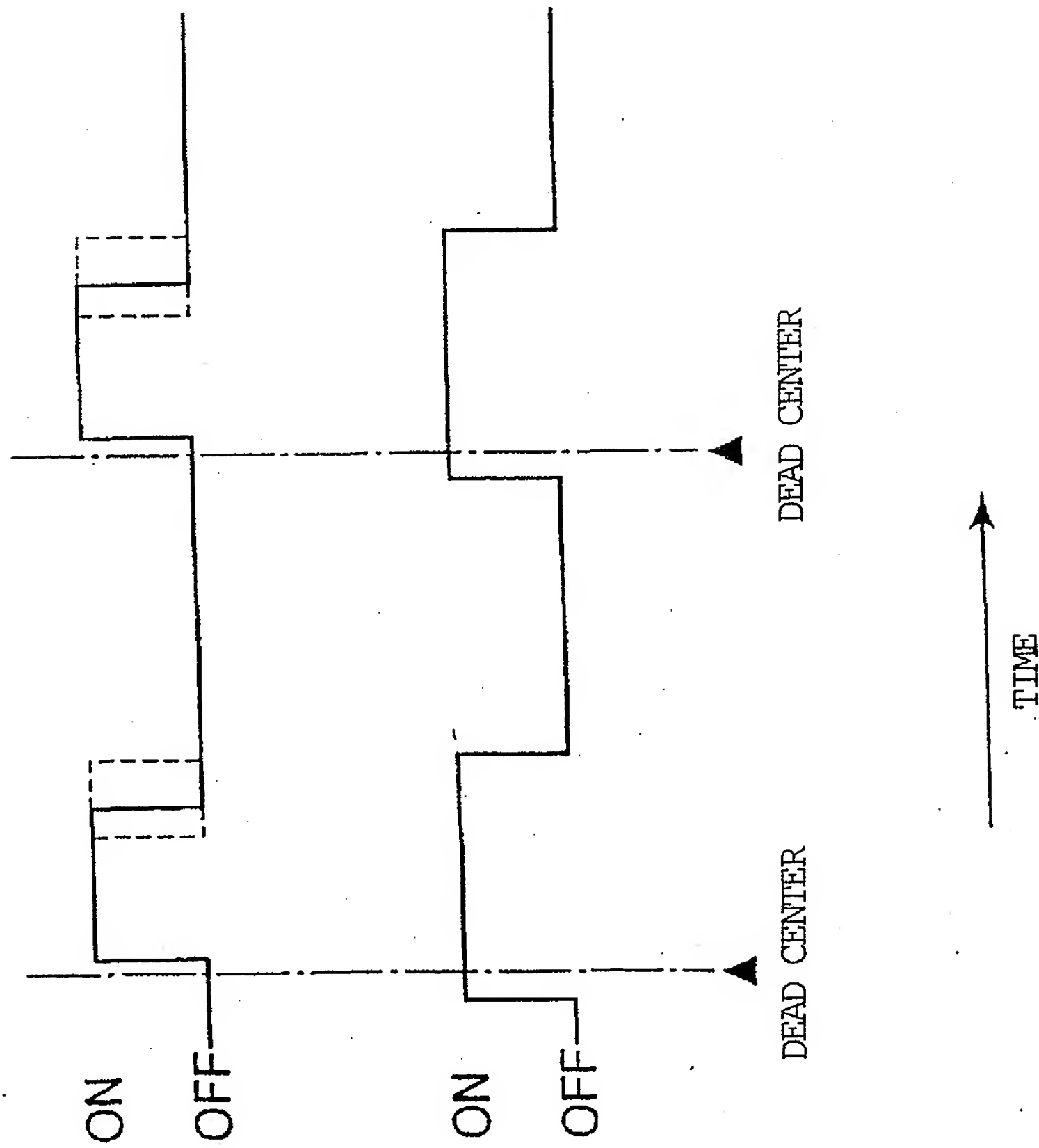


Figure 17(a)

Figure 17(b)

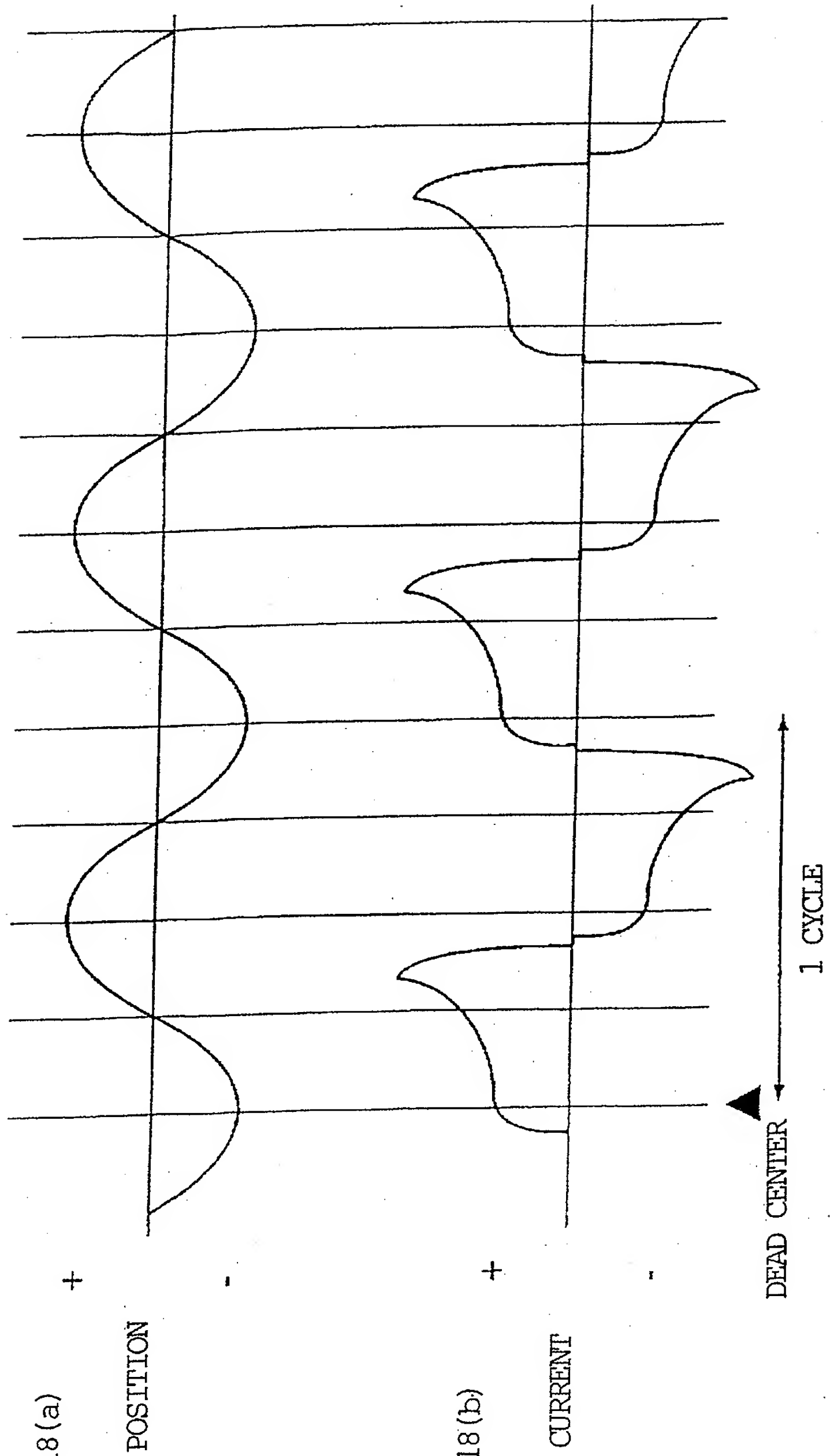
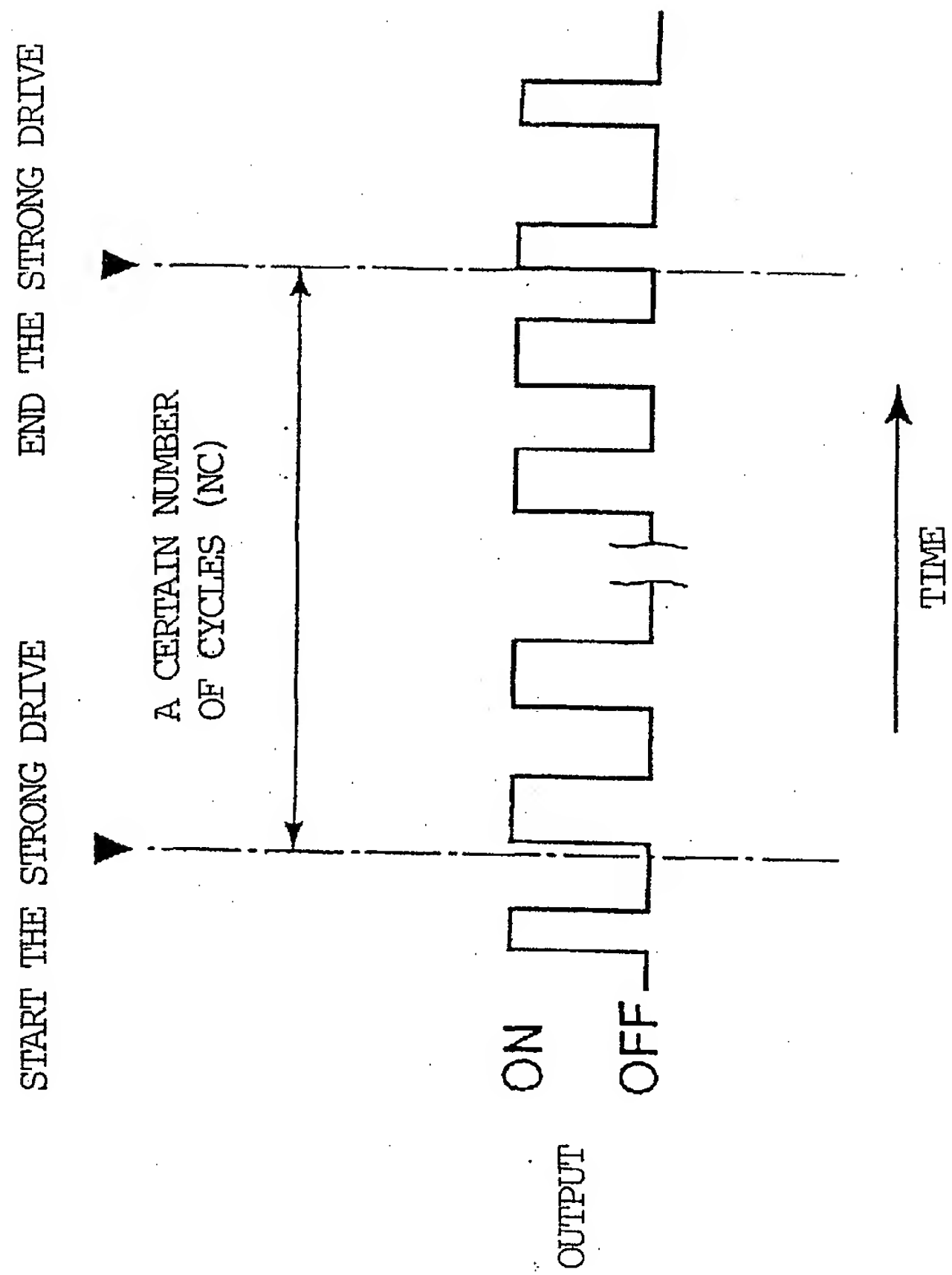


Figure 18(a)

Figure 18(b)

Figure 19



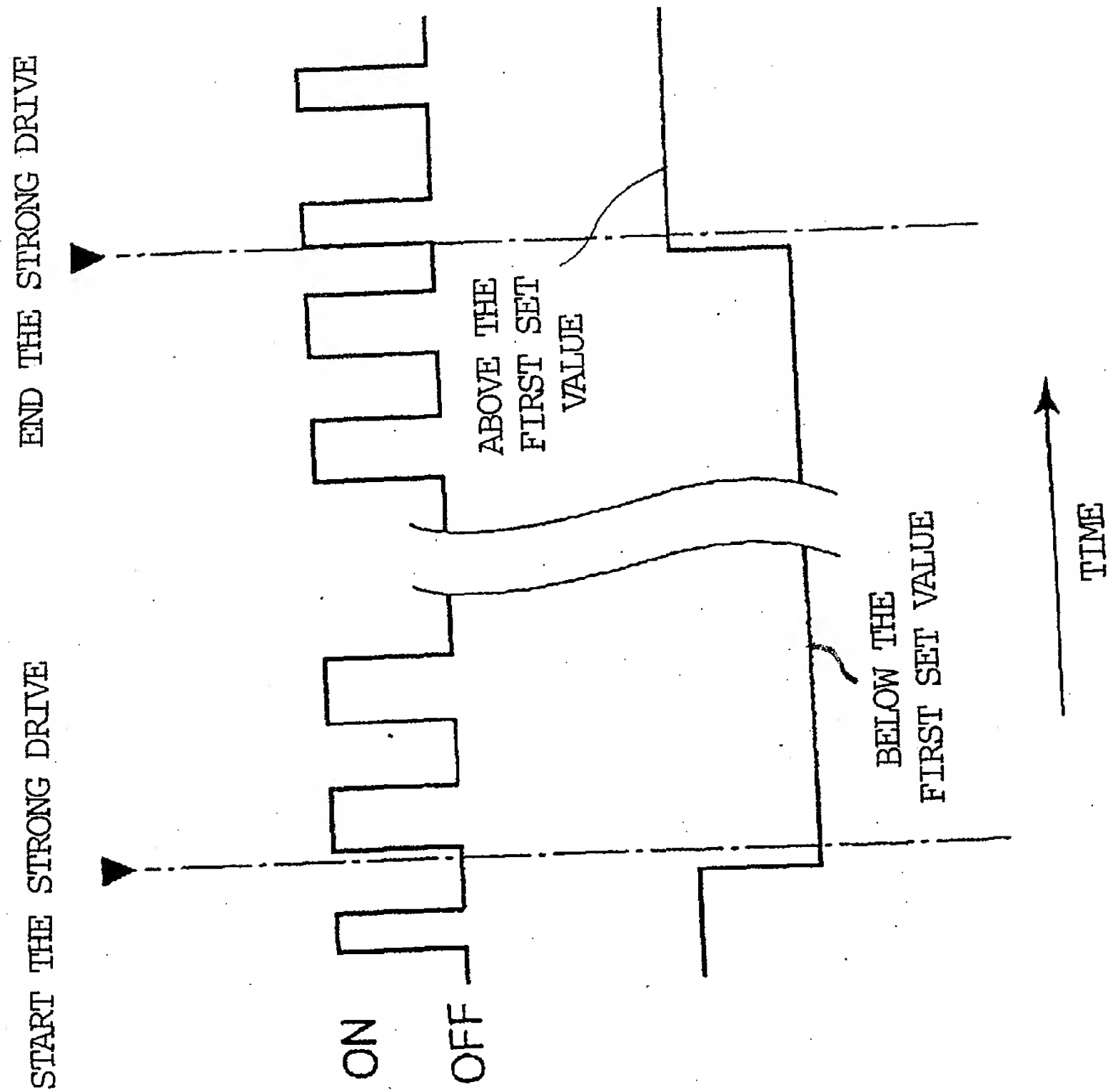


Figure 20(a) OUTPUT

Figure 20(b)
WIDTH OF
OSCILLATION

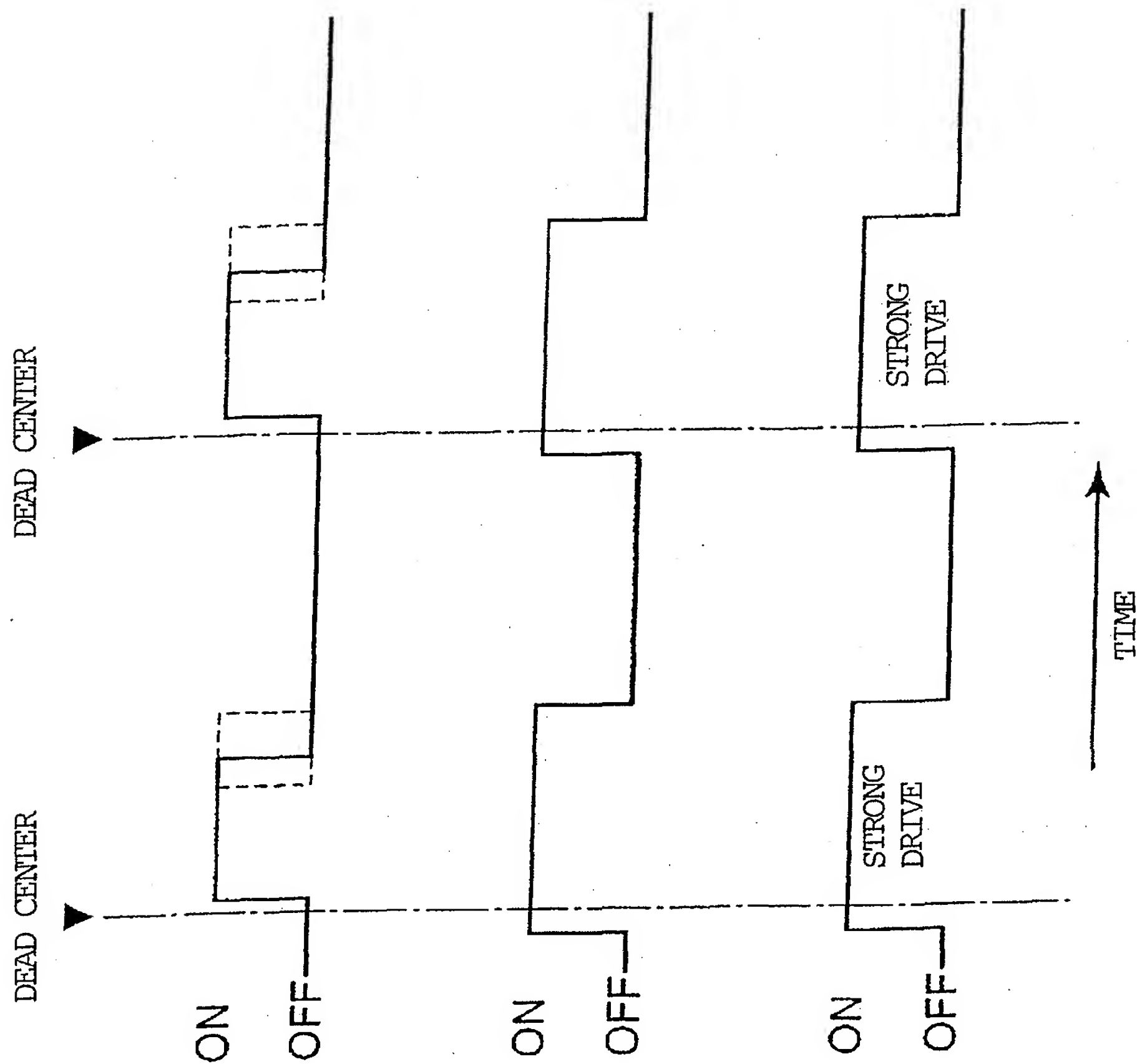


Figure 21(a)
ABOVE THE FIRST
SET VALUE

Figure 21(b)
BELOW THE FIRST
SET VALUE
AND
ABOVE THE SECOND
SET VALUE

Figure 21(c)
BELOW THE SECOND
SET VALUE

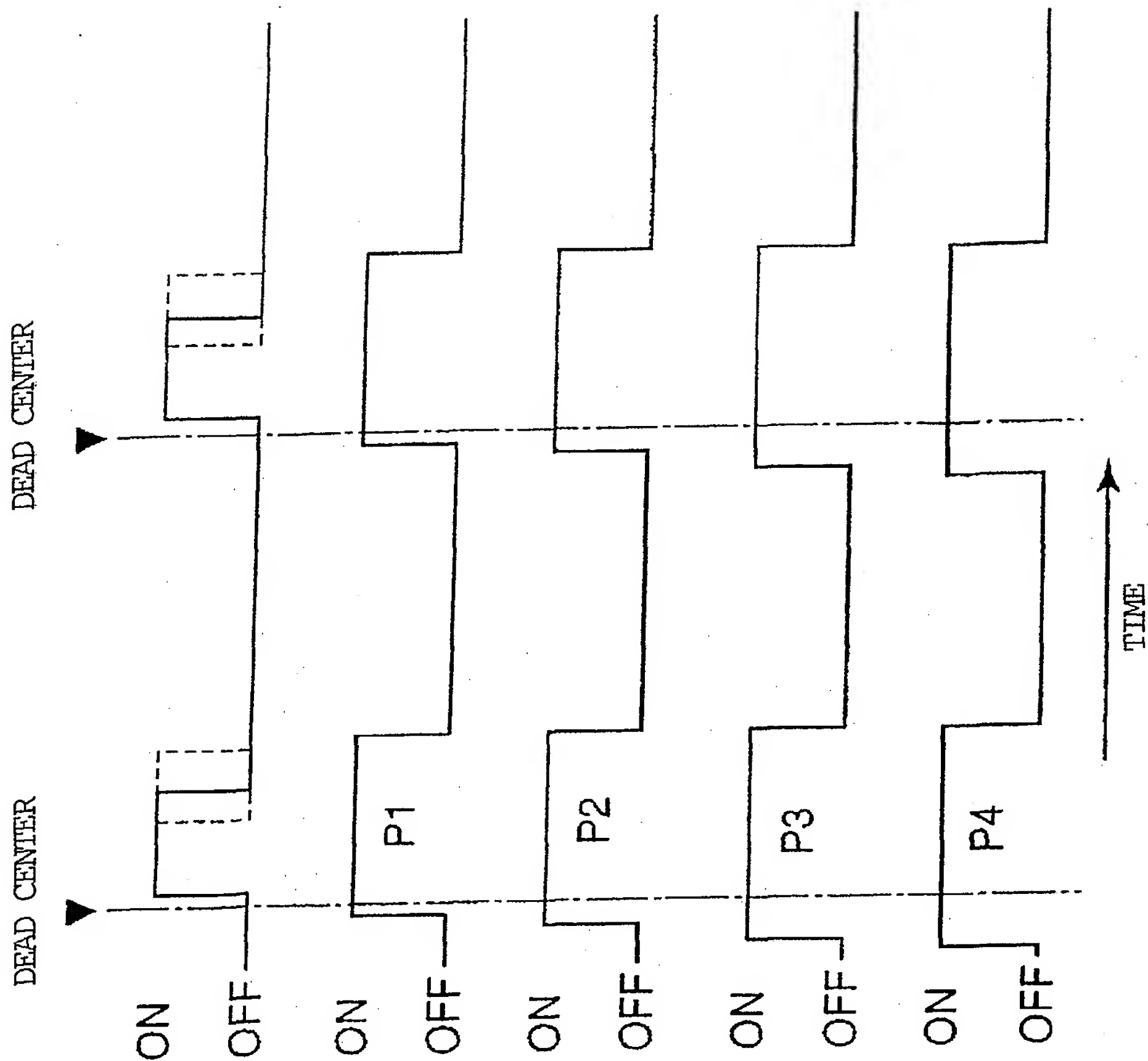


Figure 22(a) ABOVE THE FIRST
SET VALUE

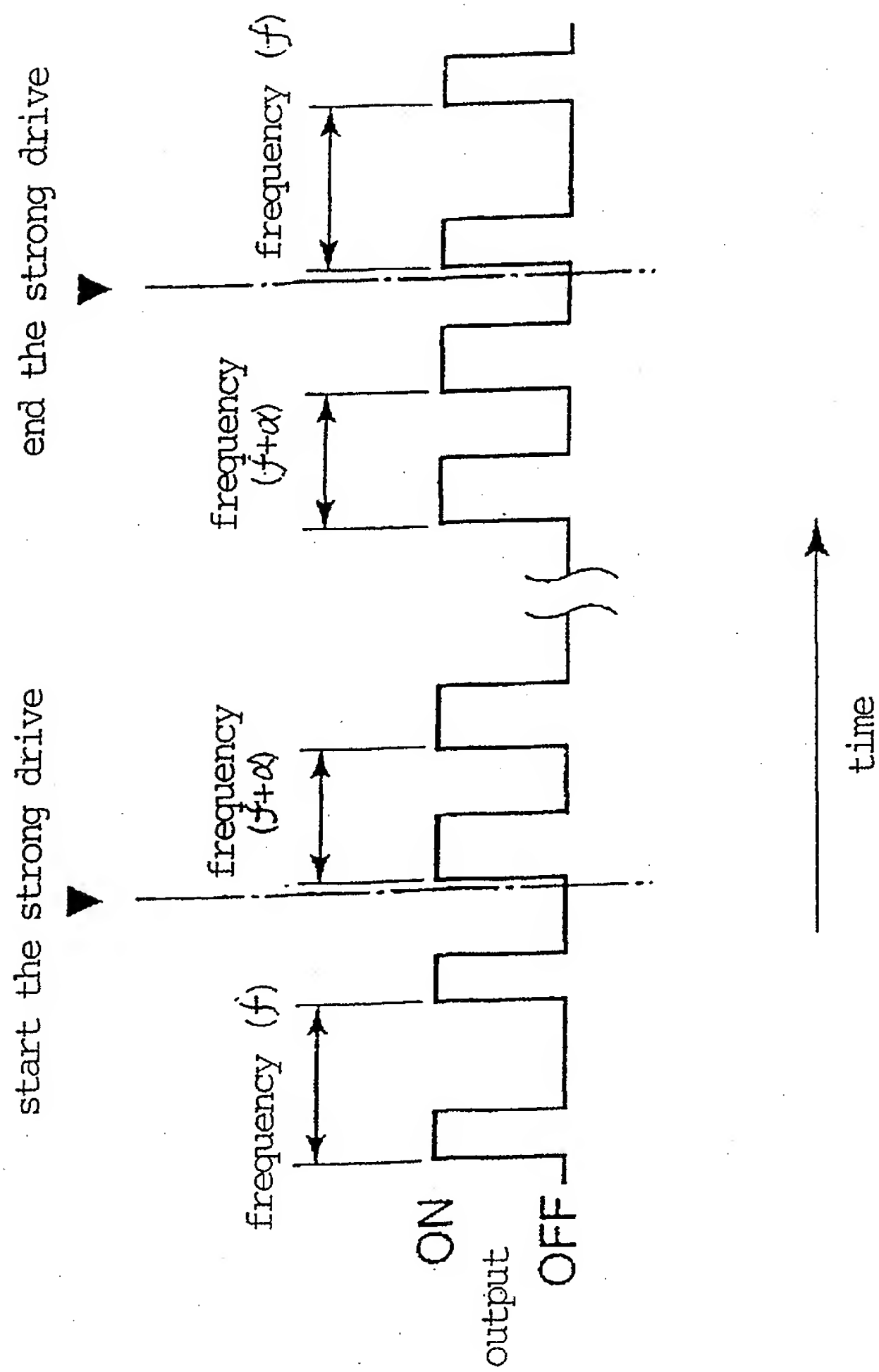
BELOW THE FIRST
SET VALUE
AND
ABOVE THE SECOND
SET VALUE

BELOW THE SECOND
SET VALUE
AND
ABOVE THE THIRD
SET VALUE

BELOW THE THIRD
SET VALUE
AND
ABOVE THE FOURTH
SET VALUE

BELOW THE FOURTH
SET VALUE

Figure 23



The diagram illustrates a magnetic field sensor assembly, labeled A5. It features a circular magnet, labeled 8, with North (N) and South (S) poles. A sensor assembly, labeled 9, is positioned to detect the magnetic field. This assembly includes a central element, labeled 91, and two side elements, labeled 92. The sensor assembly is connected to a control system, labeled B5, which includes a DETECTOR (75) and a CONTROLLER (55). The DETECTOR (75) is connected to the CONTROLLER (55) via a signal line. The CONTROLLER (55) is also connected to the sensor assembly (9) via a power or control line. The diagram shows the internal structure of the sensor assembly, including the central element 91 and the side elements 92, which are connected to the control system. The magnet 8 is shown with its poles and the sensor assembly 9 is positioned to detect the magnetic field. The control system B5 is connected to the sensor assembly 9 and the magnet 8.